

10/665,506

=> file caplus

FILE 'CAPLUS' ENTERED AT 14:05:52 ON 08 MAR 2005

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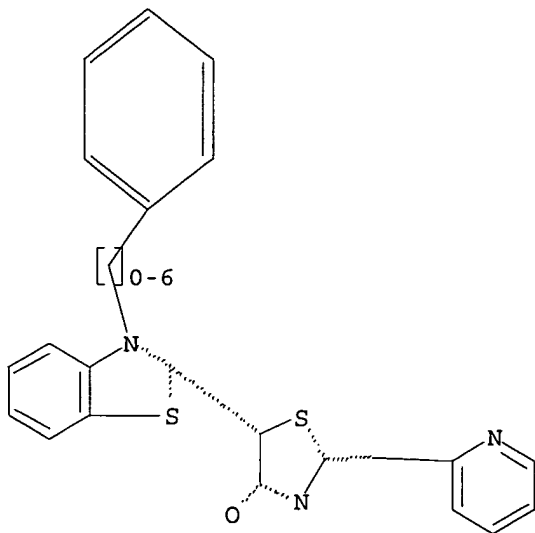
FILE COVERS 1907 - 8 Mar 2005 VOL 142 ISS 11

FILE LAST UPDATED: 7 Mar 2005 (20050307/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 4 SEA FILE=REGISTRY SSS FUL L1

L4 1 SEA FILE=CAPLUS L3

=> d l4 fbib abs hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:837540 CAPLUS

DN 141:345761

TI Radioiodine-labeled [[N-(phenylalkyl)benzothiazolinyldiene]thiazolidinyldienemethyl]pyridinium compounds and scintigraphic imaging agents containing them

IN Makada, Yasuhiro; Saji, Hideo

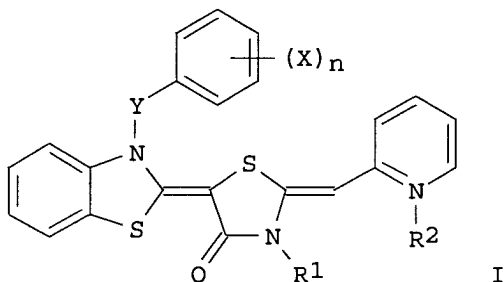
10/665,506

PA Fuji Photo Film Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004284959	A2	20041014	JP 2003-75638	20030319
	US 2004228793	A1	20041118	US 2003-665506	20030922
				JP 2003-75638	A 20030319
OS	MARPAT 141:345761				
GI					



AB The radiolabeled compds., which are selectively accumulated in tumor cells and tumor tissues and useful for scintigraphic imaging of tumors, are represented by I [X = radioiodine; n = 1-3; R1, R2 = (un)substituted alkyl; Y = C1-6 alkylene; M = counterion; m = number required to neutralize the charge of the mol.]. Thus, uptakes of I (X = 4-125I, R1= R2 = Et, M = tosylate) (preparation given) by human colorectal cancer cells LS180, ovarian cancer cells SHIN-III, and glioma U87MG were higher than that by NIH3T3 cells.

IT **774223-48-2P**

RL: DGN (Diagnostic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of radioiodine-labeled [[N-(phenylalkyl)benzothiazolinyldene]thiazolidinyldene]methyl]pyridinium salts as scintigraphic agents for tumor imaging)

RN 774223-48-2 CAPLUS

CN Pyridinium, 1-ethyl-2-[[3-ethyl-5-[3-[[4-(iodo-125I)phenyl]methyl]-2(3H)-benzothiazolylidene]-4-oxo-2-thiazolidinyldene]methyl]-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

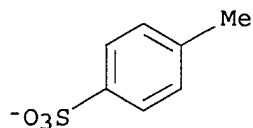
CM 1

CRN 774223-47-1

CMF C27 H25 I N3 O S2

CCN1C(=O)S(=C(Sc2ccccc2NCCc3ccc(I)cc3)C1)c4ccccc4[N+]1=CC=CC=C1CC

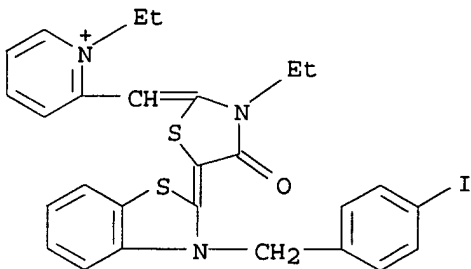
CRN 16722-51-3
CMF C7 H7 O3 S



RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of radioiodine-labeled [[N-(phenylalkyl)benzothiazolinyldene]thiazolidinyldenemethyl]pyridinium salts as scintigraphic agents for tumor imaging)

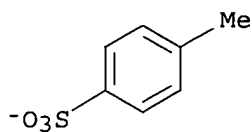
CN Pyridinium, 1-ethyl-2-[[3-ethyl-5-[3-[(4-iodophenyl)methyl]-2(3H)-benzothiazolylidene]-4-oxo-2-thiazolidinylidene]methyl]-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CRN 774223-45-9
CMF C27 H25 I N3 O S2



CRN 16722-51-3
CMF C7 H7 O3 S

10/665,506



=> => file uspatall

FILE 'USPATFULL' ENTERED AT 14:06:32 ON 08 MAR 2005

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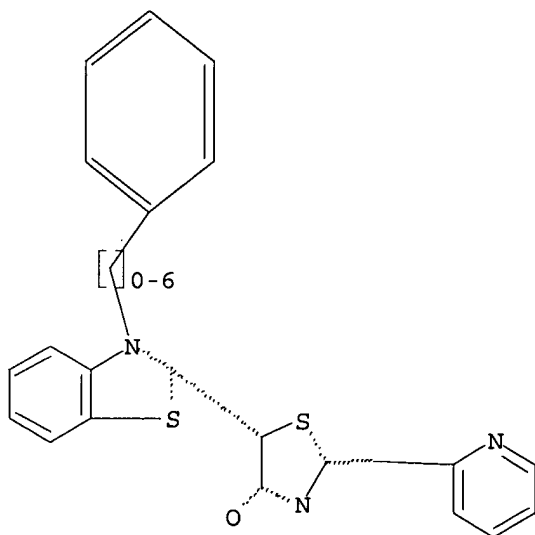
FILE 'USPAT2' ENTERED AT 14:06:32 ON 08 MAR 2005

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=> d que

L1

STR



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L3 4 SEA FILE=REGISTRY SSS FUL L1

L5 1 SEA L3

=> d l5 ibib abs hitstr

L5 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 2004:291713 USPATFULL

TITLE: Radioactive iodine-labeled compound

INVENTOR(S): Magata, Yasuhiro, Hamamatsu-shi, JAPAN

Saji, Hideo, Kyoto-shi, JAPAN

PATENT ASSIGNEE(S): FUJI PHOTO FILM CO., LTD. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004228793	A1	20041118
APPLICATION INFO.:	US 2003-665506	A1	20030922 (10)

NUMBER

DATE

10/665,506

PRIORITY INFORMATION: JP 2003-75638 20030319
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: SUGHRUE MION, PLLC, 2100 PENNSYLVANIA AVENUE, N.W.,
SUITE 800, WASHINGTON, DC, 20037
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Page(s)
LINE COUNT: 541
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A radioactive iodine-labeled compound represented by the following
formula ##STR1##

wherein X represents a radioactive iodine atom which may substitute at an arbitrary position on the benzene ring (preferably ¹²³I, ¹²⁵I and the like.), n represents an integer of 1 to 3, R¹ and R² each independently represent a substituted or unsubstituted alkyl group, Y represents an alkylene group having 1 to 6 carbon atoms (preferably methylene group), M represents a counter ion, and m represents the number of ions required to neutralize the charge of the molecule. A radioactive iodine-labeled compound that can selectively accumulate in tumor cells or tumor tissue and a scintillation imaging agent containing the compound are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 774223-48-2P

(preparation of radioiodine-labeled [[N-(phenylalkyl)benzothiazolinyldene]thiazolidinyldidemethyl]pyridinium salts as scintigraphic agents for tumor imaging)

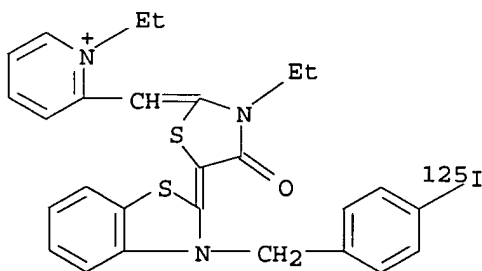
RN 774223-48-2 USPATFULL

CN Pyridinium, 1-ethyl-2-[[[3-ethyl-5-[3-[[4-(iodo-¹²⁵I)phenyl]methyl]-2(3H)-benzothiazolylidene]-4-oxo-2-thiazolidinyldene]methyl]-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 774223-47-1

CMF C27 H25 I N3 O S2

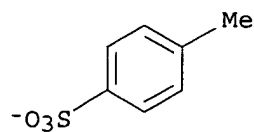


CM 2

CRN 16722-51-3

CMF C7 H7 O3 S

10/665,506



IT 774223-46-0P

(preparation of radioiodine-labeled [[N-(phenylalkyl)benzothiazolinyldene]thiazolidinyldidemethyl]pyridinium salts as scintigraphic agents for tumor imaging)

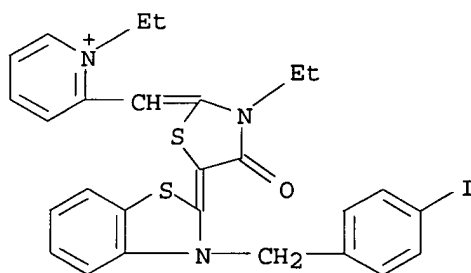
RN 774223-46-0 USPATFULL

CN Pyridinium, 1-ethyl-2-[[3-ethyl-5-[3-[(4-iodophenyl)methyl]-2(3H)-benzothiazolylidene]-4-oxo-2-thiazolidinyldene]methyl]-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 774223-45-9

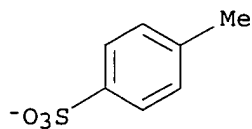
CMF C27 H25 I N3 O S2



CM 2

CRN 16722-51-3

CMF C7 H7 O3 S



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